Seminario de Análisis y Aplicaciones

Viernes, 1 de febrero de 2019

11:30 h., Módulo 17 - Aula 520 (Depto. Matemáticas UAM)

Guillermo Rey

University of Minnesota

Sparse domination and the strong maximal function

Resumen:

We study the problem of dominating the dyadic strong maximal function by $(1, 1)$-type sparse forms based on rectangles with sides parallel to the axes, and show that such domination is impossible. Our proof relies on an explicit construction of a pair of maximally separated point sets with respect to an appropriately defined notion of distance.

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